

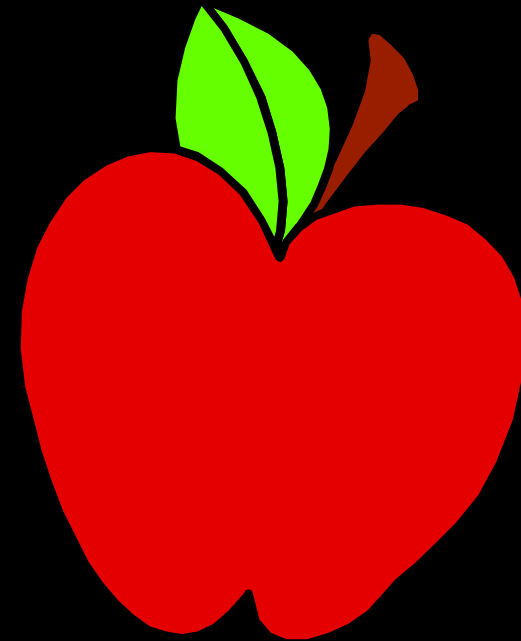
SRS Fire Alarm and System Training Lab

A dream becomes a reality

FAST Lab

AGENDA

- Background
- Fire Lab Proposal
- Benchmarking
 - Space Requirements
- General Discussion



Background

- Fire Department performed all MT&I on fire systems
- Had one dry sprinkler and two fire alarm panels for training
- In '95 MT&I was transferred to Maintenance department
- TSMD did OJT training with “live” systems

Background

- Clean Air Act - Accidental discharge of Halon
- Improve training climate - time to qualify new maintenance personnel
- Saved parts from abandoned systems
- New course for training Fire Protection Coordinators

Fire Protection's Proposal

- Develop a wet and dry lab in one room
- Use to train all Site personnel who deal with Fire Protection
- Use to recreate field problems
- Representative sample of Site systems

Design Benchmarking

- Chicago and Washington DC Fire Department
 - Only one wet system / no alarm system
- SC Fire Academy
 - only one wet system / no alarm system
- Eastern Kentucky University
 - 6 sprinkler systems / fire pump room / 3 alarm systems
- National Fire Academy
 - 8 wet systems / 4 alarm systems

Space Requirements

- 6 systems spaced 8' apart - approx. 30'
- 30 fire alarm panels
- Associated detectors, notification, and indicating devices - approx. 120' of wall
- Halon System 10' x 7'
- Dry Chemical 7' x 8'
- FM 200 10' x 7'
- Storage space

Alarm & Passive Systems

- Panels, Notification, Initiation devices grouped
- Allow for “instructor” problems
- Tied into suppression systems



Fire Suppression Systems

- 500 gpm vertical fire pump
- 3 Dry systems
 - Plain
 - Accelerator
 - Exhauster
- 3 Wet systems
 - Wet
 - Preaction
 - Deluge



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Other System Included

- Other systems
 - 1 Hood Systems
 - wet chem.
 - CO2 System
 - 9 Halon System
 - Sprinkler Head display
 - Fire Dept. Connection display

Outside Flow Station

- Contains
 - Attic Sprinkler
 - Foam Sprinkler
 - Upright Sprinkler
 - Pendant Sprinkler
 - Wax Coated
 - Extended Discharge



Classroom/Lab

- Students can be taught in lab or a separate computer classroom
- Seating for 20-25
- Instructor can lecture and then demonstrate



SRS Fire Training Lab Proposal

- Estimate for installing the lab in Site Training Facility
- Issued a Request for Proposal for offsite locations
- Cost benefit analysis for each
- Decision made by WSRC Sr. Management

Financial Cost of Lab

- SRS provided the material
- Site forces oversaw installation
- No up front cost for designing and building
- Partnership with Community

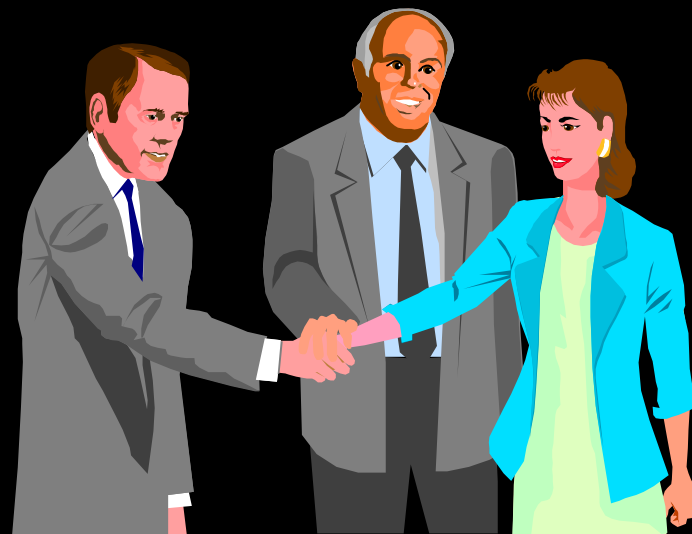


Community Partnership

- Aiken Technical College placed the winning bid
- SRS has first rights to training dates / times
- Lab available 24/7
- ACT can develop College courses
 - Continuing Ed. Classes / Degree

Community Partnership

- Equipment is jointly maintained
- ATC can purchase after contract life
- Either can add equipment to Lab facility



Questions

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